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Search result: 1 of 1

(WO/2005/049643) NOVEL CAROTENOID HYDROXYLASE GENE, PROCESS FOR PRODUCING HYDROXYLATED CAROTENOID. AND NOVEL GERANYLGERANYL PYROPHOSPHATE SYNTHASE GENE Notices

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(EN) NOVEL CAROTENOID HYDROXYLASE GENE, PROCESS FOR PRODUCING HYDROXYLATED Title:

CAROTENOID. AND NOVEL GERANYLGERANYL PYROPHOSPHATE SYNTHASE GENE

(JA) 新規なカロデノイドヒドロキシラーゼ遺伝子及び水酸化されたカロデノイドの製造法及び新規なゲ ラニルゲラニルピロリン酸シンターゼ遺伝子

Abstract:

(EN) A peptide obtained from Brevundimonas strain SD-212 and having a &bgr;-ionone ring-2hydroxylase activity; and a gene coding for the same. Thus, it becomes feasible to realize mass production of a carotenoid having hydroxyl introduced at the carbon of 2-(2'-)position of &bgr;-ionone ring, which carotenoid occurs in nature only in minute amount. There is further provided a novel gene coding for an enzyme for introduction of hydroxyl at the caroon of 3-(3'-)position of carotenoid having a &bgr;-ionone ring, and provided a novel gene coding for geranyigeranyl pyrophosphate synthase.

(JA) ブレバンディモナスSD-212株から得られ、B-イオノン環-2-ヒドロキシラーゼ活性を有するペプ チド、及びそれをコードする遺伝子を提供し、自然界に微量しか存在しないB-イオノン環の2(2)位の 炭素に水酸基が導入されたカロテノイドの大量製造を可能にする。 また、B-イオノン領を有するカ

ロアノ1 PUDIL (3位) U灰系に小阪急を停入9 O貯系をコート9 G 利度は国富ア及びフノニルテノ 二ルピロリン酸シンターゼをコードする新規な遺伝子も提供する。

Designated States:

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ. EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO,

RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, African Regional Intellectual Property Org. (ARIPO) (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW)

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